

**End-of-Course
2011 Mean P-Values and
Internal Consistency Values
By Objective and
Subject Area**

EOC - ENGLISH (SPRING 2011) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	118122	26.172	7.602	0.865	2.793	68.873
	Understanding/Analysis Across Genres	08	118122	5.230	1.969	0.570	1.291	65.375
	Understanding/Analysis of Literary Texts	16	118122	11.238	3.561	0.745	1.798	70.237
	Understanding/Analysis Informational Texts	14	118122	9.704	2.952	0.664	1.711	69.314
English I Writing	COMPLETE SUBTEST	30	026574	19.867	5.671	0.833	2.317	66.223
	Revision	15	026574	10.246	2.886	0.688	1.612	68.306
	Editing	15	026574	9.620	3.387	0.766	1.638	64.133

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - ENGLISH (SPRING 2011) Female

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	058231	27.141	7.108	0.843	2.816	71.423
	Understanding/Analysis Across Genres	08	058231	5.518	1.868	0.509	1.309	68.975
	Understanding/Analysis of Literary Texts	16	058231	11.624	3.320	0.701	1.815	72.650
	Understanding/Analysis Informational Texts	14	058231	9.998	2.822	0.628	1.721	71.414
English I Writing	COMPLETE SUBTEST	30	013260	20.408	5.542	0.830	2.285	68.026
	Revision	15	013260	10.304	2.808	0.673	1.606	68.693
	Editing	15	013260	10.104	3.300	0.764	1.603	67.360

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3 Multiple-choice and gridded items only

EOC - ENGLISH (SPRING 2011) Male

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	059885	25.231	7.941	0.878	2.774	66.397
	Understanding/Analysis Across Genres	08	059885	4.950	2.024	0.601	1.278	61.875
	Understanding/Analysis of Literary Texts	16	059885	10.863	3.743	0.773	1.783	67.893
	Understanding/Analysis Informational Texts	14	059885	9.418	3.046	0.688	1.701	67.271
English I Writing	COMPLETE SUBTEST	30	013314	19.327	5.746	0.834	2.341	64.423
	Revision	15	013314	10.189	2.960	0.701	1.619	67.926
	Editing	15	013314	9.139	3.404	0.759	1.671	60.926

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EOC - ENGLISH (SPRING 2011) Hispanic/Latino

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	056066	24.970	7.498	0.860	2.805	65.710
	Understanding/Analysis Across Genres	08	056066	5.043	1.983	0.577	1.290	63.037
	Understanding/Analysis of Literary Texts	16	056066	10.722	3.541	0.740	1.806	67.012
	Understanding/Analysis Informational Texts	14	056066	9.205	2.904	0.651	1.716	65.750
English I Writing	COMPLETE SUBTEST	30	012581	18.789	5.478	0.810	2.388	62.630
	Revision	15	012581	9.666	2.851	0.658	1.667	64.440
	Editing	15	012581	9.123	3.286	0.736	1.688	60.820

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EOC - ENGLISH (SPRING 2011) Am. Indian or Alaskan Native

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	000616	26.269	7.156	0.846	2.808	69.128
	Understanding/Analysis Across Genres	08	000616	5.154	1.919	0.540	1.302	64.425
	Understanding/Analysis of Literary Texts	16	000616	11.333	3.383	0.715	1.806	70.831
	Understanding/Analysis Informational Texts	14	000616	9.782	2.797	0.621	1.722	69.871
English I Writing	COMPLETE SUBTEST	30	000125	20.032	5.546	0.829	2.293	66.773
	Revision	15	000125	10.616	2.785	0.676	1.585	70.773
	Editing	15	000125	9.416	3.363	0.763	1.637	62.773

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EOC - ENGLISH (SPRING 2011) Asian

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	003992	29.585	6.647	0.822	2.804	77.855
	Understanding/Analysis Across Genres	08	003992	5.840	1.763	0.444	1.315	73.000
	Understanding/Analysis of Literary Texts	16	003992	12.840	3.034	0.642	1.815	80.250
	Understanding/Analysis Informational Texts	14	003992	10.905	2.654	0.581	1.718	77.892
English I Writing	COMPLETE SUBTEST	30	000898	23.150	4.812	0.817	2.059	77.166
	Revision	15	000898	11.362	2.517	0.649	1.491	75.746
	Editing	15	000898	11.788	2.839	0.755	1.405	78.586

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EOC - ENGLISH (SPRING 2011) Black or African American

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	015291	23.948	7.832	0.875	2.769	63.021
	Understanding/Analysis Across Genres	08	015291	4.837	2.092	0.637	1.260	60.462
	Understanding/Analysis of Literary Texts	16	015291	10.205	3.702	0.768	1.783	63.781
	Understanding/Analysis Informational Texts	14	015291	8.905	2.977	0.674	1.700	63.607
English I Writing	COMPLETE SUBTEST	30	003243	17.830	5.616	0.814	2.422	59.433
	Revision	15	003243	9.346	2.876	0.654	1.692	62.306
	Editing	15	003243	8.484	3.412	0.748	1.713	56.560

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EOC - ENGLISH (SPRING 2011) Native Hawaiian/Pacific Islander

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	000230	27.730	6.271	0.815	2.697	72.973
	Understanding/Analysis Across Genres	08	000230	5.457	1.830	0.524	1.263	68.212
	Understanding/Analysis of Literary Texts	16	000230	12.057	3.081	0.693	1.707	75.356
	Understanding/Analysis Informational Texts	14	000230	10.217	2.495	0.560	1.655	72.978
English I Writing	COMPLETE SUBTEST	30	000025	21.600	4.778	0.784	2.221	72.000
	Revision	15	000025	11.320	2.528	0.639	1.519	75.466
	Editing	15	000025	10.280	2.731	0.647	1.623	68.533

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EOC - ENGLISH (SPRING 2011) White

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	038567	28.348	7.085	0.842	2.816	74.600
	Understanding/Analysis Across Genres	08	038567	5.578	1.851	0.499	1.310	69.725
	Understanding/Analysis of Literary Texts	16	038567	12.189	3.298	0.697	1.815	76.181
	Understanding/Analysis Informational Texts	14	038567	10.581	2.778	0.614	1.726	75.578
English I Writing	COMPLETE SUBTEST	30	009247	21.681	5.383	0.835	2.187	72.270
	Revision	15	009247	11.214	2.650	0.675	1.511	74.760
	Editing	15	009247	10.466	3.283	0.775	1.557	69.773

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EOC - ENGLISH (SPRING 2011) Two or More Races

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
English I Reading	COMPLETE SUBTEST	38	001811	27.738	7.685	0.870	2.771	72.994
	Understanding/Analysis Across Genres	08	001811	5.473	1.947	0.559	1.293	68.412
	Understanding/Analysis of Literary Texts	16	001811	11.916	3.637	0.761	1.778	74.475
	Understanding/Analysis Informational Texts	14	001811	10.350	2.901	0.651	1.714	73.928
English I Writing	COMPLETE SUBTEST	30	000432	20.880	5.318	0.819	2.262	69.600
	Revision	15	000432	10.806	2.794	0.686	1.566	72.040
	Editing	15	000432	10.074	3.158	0.739	1.613	67.160

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	162368	29.051	11.497	0.919	3.272	53.798
	Functional Relationships	08	162368	4.195	1.999	0.587	1.285	52.437
	Properties and Attributes of Functions	12	162368	6.746	2.703	0.668	1.557	56.216
	Linear Functions	15	162368	7.876	3.537	0.760	1.733	52.506
	Linear Equations and Inequalities	10	162368	5.574	2.800	0.769	1.346	55.740
	Quadratic and Other Nonlinear Functions	09	162368	4.660	2.236	0.648	1.327	51.777
Geometry	COMPLETE SUBTEST	52	104552	24.868	11.049	0.915	3.221	47.823
	Geometric Structure	10	104552	5.259	2.410	0.658	1.409	52.590
	Geometric Patterns	08	104552	3.952	2.069	0.629	1.260	49.400
	Dimensionality and the Geometry of Location	10	104552	4.789	2.404	0.644	1.434	47.890
	Congruence and the Geometry of Size	16	104552	7.071	3.750	0.777	1.771	44.193
	Similarity and the Geometry of Shape	08	104552	3.798	2.167	0.664	1.256	47.475
Algebra II	COMPLETE SUBTEST	50	072371	21.939	9.896	0.899	3.145	43.878
	Properties and Attributes of Functions	08	072371	3.439	1.889	0.561	1.252	42.987
	Representational Tools to Solve Problems	08	072371	3.570	1.859	0.531	1.273	44.625
	Properties of Quadratic Functions	12	072371	4.715	2.843	0.723	1.496	39.291
	Representations of Quadratic Relations	06	072371	2.904	1.591	0.531	1.090	48.400
	Properties of Square Root Functions	05	072371	2.671	1.480	0.559	0.983	53.420
	Properties of Rational Functions	05	072371	2.162	1.414	0.494	1.006	43.240
	Properties of Exponential & Logarithmic Functions	06	072371	2.477	1.573	0.503	1.109	41.283

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EOC - MATHEMATICS (SPRING 2011) Female

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	080878	29.310	11.284	0.915	3.290	54.277
	Functional Relationships	08	080878	4.184	1.973	0.572	1.291	52.300
	Properties and Attributes of Functions	12	080878	6.858	2.643	0.651	1.561	57.150
	Linear Functions	15	080878	7.826	3.523	0.757	1.737	52.173
	Linear Equations and Inequalities	10	080878	5.680	2.768	0.763	1.348	56.800
	Quadratic and Other Nonlinear Functions	09	080878	4.762	2.207	0.636	1.332	52.911
Geometry	COMPLETE SUBTEST	52	052229	24.684	10.785	0.911	3.217	47.469
	Geometric Structure	10	052229	5.291	2.357	0.640	1.414	52.910
	Geometric Patterns	08	052229	3.911	2.036	0.615	1.263	48.887
	Dimensionality and the Geometry of Location	10	052229	4.668	2.327	0.619	1.436	46.680
	Congruence and the Geometry of Size	16	052229	6.986	3.700	0.772	1.767	43.662
	Similarity and the Geometry of Shape	08	052229	3.828	2.159	0.657	1.264	47.850
Algebra II	COMPLETE SUBTEST	50	036639	21.919	9.552	0.891	3.154	43.838
	Properties and Attributes of Functions	08	036639	3.403	1.844	0.537	1.255	42.537
	Representational Tools to Solve Problems	08	036639	3.615	1.839	0.517	1.278	45.187
	Properties of Quadratic Functions	12	036639	4.709	2.778	0.707	1.504	39.241
	Representations of Quadratic Relations	06	036639	2.928	1.551	0.506	1.090	48.800
	Properties of Square Root Functions	05	036639	2.697	1.465	0.547	0.986	53.940
	Properties of Rational Functions	05	036639	2.126	1.379	0.466	1.008	42.520
	Properties of Exponential & Logarithmic Functions	06	036639	2.441	1.550	0.487	1.110	40.683

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EOC - MATHEMATICS (SPRING 2011) Male

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	081490	28.794	11.699	0.923	3.246	53.322
	Functional Relationships	08	081490	4.205	2.026	0.601	1.280	52.562
	Properties and Attributes of Functions	12	081490	6.635	2.756	0.683	1.552	55.291
	Linear Functions	15	081490	7.927	3.550	0.765	1.721	52.846
	Linear Equations and Inequalities	10	081490	5.469	2.827	0.776	1.338	54.690
	Quadratic and Other Nonlinear Functions	09	081490	4.559	2.260	0.659	1.320	50.655
Geometry	COMPLETE SUBTEST	52	052323	25.053	11.304	0.920	3.197	48.178
	Geometric Structure	10	052323	5.228	2.462	0.675	1.404	52.280
	Geometric Patterns	08	052323	3.992	2.099	0.642	1.256	49.900
	Dimensionality and the Geometry of Location	10	052323	4.910	2.471	0.666	1.428	49.100
	Congruence and the Geometry of Size	16	052323	7.155	3.797	0.783	1.769	44.718
	Similarity and the Geometry of Shape	08	052323	3.768	2.175	0.671	1.248	47.100
Algebra II	COMPLETE SUBTEST	50	035708	21.964	10.238	0.906	3.139	43.928
	Properties and Attributes of Functions	08	035708	3.477	1.934	0.583	1.249	43.462
	Representational Tools to Solve Problems	08	035708	3.524	1.879	0.544	1.269	44.050
	Properties of Quadratic Functions	12	035708	4.722	2.909	0.739	1.486	39.350
	Representations of Quadratic Relations	06	035708	2.881	1.630	0.555	1.087	48.016
	Properties of Square Root Functions	05	035708	2.645	1.495	0.570	0.980	52.900
	Properties of Rational Functions	05	035708	2.200	1.448	0.523	1.000	44.000
	Properties of Exponential & Logarithmic Functions	06	035708	2.515	1.596	0.519	1.107	41.916

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Hispanic/Latino

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	074872	26.618	10.750	0.904	3.331	49.292
	Functional Relationships	08	074872	3.882	1.920	0.540	1.302	48.525
	Properties and Attributes of Functions	12	074872	6.283	2.599	0.628	1.585	52.358
	Linear Functions	15	074872	7.162	3.319	0.718	1.763	47.746
	Linear Equations and Inequalities	10	074872	5.030	2.717	0.744	1.375	50.300
	Quadratic and Other Nonlinear Functions	09	074872	4.261	2.127	0.599	1.347	47.344
Geometry	COMPLETE SUBTEST	52	046058	22.303	9.862	0.891	3.256	42.890
	Geometric Structure	10	046058	4.728	2.220	0.577	1.444	47.280
	Geometric Patterns	08	046058	3.569	1.910	0.549	1.283	44.612
	Dimensionality and the Geometry of Location	10	046058	4.374	2.222	0.572	1.454	43.740
	Congruence and the Geometry of Size	16	046058	6.292	3.415	0.728	1.781	39.325
	Similarity and the Geometry of Shape	08	046058	3.339	2.050	0.618	1.267	41.737
Algebra II	COMPLETE SUBTEST	50	032057	19.708	8.704	0.868	3.162	39.416
	Properties and Attributes of Functions	08	032057	3.125	1.749	0.483	1.258	39.062
	Representational Tools to Solve Problems	08	032057	3.222	1.702	0.428	1.287	40.275
	Properties of Quadratic Functions	12	032057	4.183	2.546	0.657	1.491	34.858
	Representations of Quadratic Relations	06	032057	2.649	1.499	0.466	1.095	44.150
	Properties of Square Root Functions	05	032057	2.410	1.450	0.522	1.002	48.200
	Properties of Rational Functions	05	032057	1.931	1.317	0.409	1.012	38.620
	Properties of Exponential & Logarithmic Functions	06	032057	2.188	1.464	0.430	1.105	36.466

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EOC - MATHEMATICS (SPRING 2011) Am. Indian or Alaskan Native

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	000741	28.263	10.656	0.903	3.319	52.338
	Functional Relationships	08	000741	4.105	1.866	0.505	1.313	51.312
	Properties and Attributes of Functions	12	000741	6.536	2.618	0.639	1.573	54.466
	Linear Functions	15	000741	7.679	3.315	0.717	1.764	51.193
	Linear Equations and Inequalities	10	000741	5.398	2.696	0.742	1.369	53.980
	Quadratic and Other Nonlinear Functions	09	000741	4.545	2.105	0.593	1.343	50.500
Geometry	COMPLETE SUBTEST	52	000501	24.896	10.660	0.908	3.233	47.876
	Geometric Structure	10	000501	5.279	2.355	0.642	1.409	52.790
	Geometric Patterns	08	000501	3.892	1.973	0.586	1.269	48.650
	Dimensionality and the Geometry of Location	10	000501	4.864	2.346	0.618	1.450	48.640
	Congruence and the Geometry of Size	16	000501	7.056	3.702	0.771	1.772	44.100
	Similarity and the Geometry of Shape	08	000501	3.804	2.118	0.644	1.264	47.550
Algebra II	COMPLETE SUBTEST	50	000335	21.943	9.615	0.892	3.160	43.886
	Properties and Attributes of Functions	08	000335	3.412	1.937	0.589	1.242	42.650
	Representational Tools to Solve Problems	08	000335	3.597	1.775	0.471	1.291	44.962
	Properties of Quadratic Functions	12	000335	4.684	2.789	0.710	1.502	39.033
	Representations of Quadratic Relations	06	000335	2.839	1.537	0.486	1.102	47.316
	Properties of Square Root Functions	05	000335	2.710	1.477	0.561	0.979	54.200
	Properties of Rational Functions	05	000335	2.194	1.402	0.474	1.017	43.880
	Properties of Exponential & Logarithmic Functions	06	000335	2.507	1.567	0.495	1.114	41.783

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3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Asian

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	006921	39.350	10.959	0.931	2.879	72.870
	Functional Relationships	08	006921	5.727	1.871	0.626	1.144	71.587
	Properties and Attributes of Functions	12	006921	8.931	2.498	0.701	1.366	74.425
	Linear Functions	15	006921	10.622	3.486	0.805	1.539	70.813
	Linear Equations and Inequalities	10	006921	7.687	2.412	0.778	1.136	76.870
	Quadratic and Other Nonlinear Functions	09	006921	6.382	2.151	0.695	1.188	70.911
Geometry	COMPLETE SUBTEST	52	004279	33.547	12.141	0.940	2.974	64.513
	Geometric Structure	10	004279	6.824	2.501	0.741	1.273	68.240
	Geometric Patterns	08	004279	5.368	2.221	0.745	1.122	67.100
	Dimensionality and the Geometry of Location	10	004279	6.302	2.573	0.734	1.327	63.020
	Congruence and the Geometry of Size	16	004279	9.862	4.064	0.832	1.666	61.637
	Similarity and the Geometry of Shape	08	004279	5.192	2.165	0.711	1.164	64.900
Algebra II	COMPLETE SUBTEST	50	002635	29.325	11.276	0.928	3.026	58.650
	Properties and Attributes of Functions	08	002635	4.551	2.055	0.658	1.202	56.887
	Representational Tools to Solve Problems	08	002635	4.713	2.022	0.637	1.218	58.912
	Properties of Quadratic Functions	12	002635	6.593	3.244	0.794	1.472	54.941
	Representations of Quadratic Relations	06	002635	3.797	1.640	0.606	1.029	63.283
	Properties of Square Root Functions	05	002635	3.381	1.403	0.596	0.892	67.620
	Properties of Rational Functions	05	002635	2.923	1.499	0.592	0.957	58.460
	Properties of Exponential & Logarithmic Functions	06	002635	3.367	1.710	0.605	1.075	56.116

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Black or African American

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	017787	24.689	10.157	0.891	3.353	45.720
	Functional Relationships	08	017787	3.556	1.864	0.509	1.306	44.450
	Properties and Attributes of Functions	12	017787	5.951	2.525	0.601	1.595	49.591
	Linear Functions	15	017787	6.584	3.151	0.682	1.777	43.893
	Linear Equations and Inequalities	10	017787	4.608	2.642	0.727	1.380	46.080
	Quadratic and Other Nonlinear Functions	09	017787	3.990	2.036	0.559	1.352	44.333
Geometry	COMPLETE SUBTEST	52	012917	19.772	8.868	0.867	3.234	38.023
	Geometric Structure	10	012917	4.389	2.134	0.538	1.450	43.890
	Geometric Patterns	08	012917	3.207	1.780	0.476	1.289	40.087
	Dimensionality and the Geometry of Location	10	012917	3.781	2.043	0.502	1.442	37.810
	Congruence and the Geometry of Size	16	012917	5.369	3.061	0.675	1.745	33.556
	Similarity and the Geometry of Shape	08	012917	3.027	1.950	0.582	1.261	37.837
Algebra II	COMPLETE SUBTEST	50	008000	18.109	8.046	0.848	3.137	36.218
	Properties and Attributes of Functions	08	008000	2.942	1.713	0.461	1.258	36.775
	Representational Tools to Solve Problems	08	008000	3.007	1.651	0.397	1.282	37.587
	Properties of Quadratic Functions	12	008000	3.816	2.370	0.618	1.465	31.800
	Representations of Quadratic Relations	06	008000	2.436	1.428	0.402	1.104	40.600
	Properties of Square Root Functions	05	008000	2.144	1.407	0.490	1.005	42.880
	Properties of Rational Functions	05	008000	1.704	1.239	0.351	0.998	34.080
	Properties of Exponential & Logarithmic Functions	06	008000	2.061	1.405	0.387	1.100	34.350

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Native Hawaiian/Pacific Islander

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	000225	30.036	10.896	0.909	3.287	55.622
	Functional Relationships	08	000225	4.422	1.874	0.519	1.300	55.275
	Properties and Attributes of Functions	12	000225	7.076	2.512	0.611	1.567	58.966
	Linear Functions	15	000225	7.964	3.620	0.776	1.713	53.093
	Linear Equations and Inequalities	10	000225	5.880	2.696	0.748	1.353	58.800
	Quadratic and Other Nonlinear Functions	09	000225	4.693	2.146	0.618	1.326	52.144
Geometry	COMPLETE SUBTEST	52	000195	25.569	10.948	0.914	3.211	49.171
	Geometric Structure	10	000195	5.328	2.319	0.627	1.416	53.280
	Geometric Patterns	08	000195	4.051	1.994	0.595	1.269	50.637
	Dimensionality and the Geometry of Location	10	000195	4.872	2.407	0.650	1.424	48.720
	Congruence and the Geometry of Size	16	000195	7.385	3.669	0.763	1.786	46.156
	Similarity and the Geometry of Shape	08	000195	3.933	2.318	0.723	1.220	49.162
Algebra II	COMPLETE SUBTEST	50	000114	22.518	9.793	0.897	3.143	45.036
	Properties and Attributes of Functions	08	000114	3.325	1.701	0.431	1.283	41.562
	Representational Tools to Solve Problems	08	000114	3.649	2.000	0.611	1.247	45.612
	Properties of Quadratic Functions	12	000114	4.816	2.886	0.733	1.491	40.133
	Representations of Quadratic Relations	06	000114	3.079	1.415	0.355	1.136	51.316
	Properties of Square Root Functions	05	000114	2.763	1.513	0.595	0.963	55.260
	Properties of Rational Functions	05	000114	2.219	1.362	0.451	1.009	44.380
	Properties of Exponential & Logarithmic Functions	06	000114	2.667	1.521	0.454	1.124	44.450

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) White

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	057369	32.139	11.252	0.919	3.202	59.516
	Functional Relationships	08	057369	4.589	1.976	0.586	1.271	57.362
	Properties and Attributes of Functions	12	057369	7.300	2.648	0.666	1.530	60.833
	Linear Functions	15	057369	8.821	3.488	0.765	1.691	58.806
	Linear Equations and Inequalities	10	057369	6.285	2.678	0.759	1.315	62.850
	Quadratic and Other Nonlinear Functions	09	057369	5.145	2.222	0.654	1.307	57.166
Geometry	COMPLETE SUBTEST	52	038623	28.482	11.118	0.918	3.184	54.773
	Geometric Structure	10	038623	5.973	2.406	0.676	1.370	59.730
	Geometric Patterns	08	038623	4.474	2.105	0.654	1.238	55.925
	Dimensionality and the Geometry of Location	10	038623	5.421	2.443	0.663	1.418	54.210
	Congruence and the Geometry of Size	16	038623	8.197	3.766	0.778	1.774	51.231
	Similarity and the Geometry of Shape	08	038623	4.418	2.124	0.654	1.249	55.225
Algebra II	COMPLETE SUBTEST	50	025384	24.522	10.205	0.905	3.145	49.044
	Properties and Attributes of Functions	08	025384	3.788	1.942	0.588	1.247	47.350
	Representational Tools to Solve Problems	08	025384	3.946	1.900	0.561	1.259	49.325
	Properties of Quadratic Functions	12	025384	5.320	2.978	0.742	1.513	44.333
	Representations of Quadratic Relations	06	025384	3.202	1.625	0.553	1.086	53.366
	Properties of Square Root Functions	05	025384	3.016	1.417	0.535	0.966	60.320
	Properties of Rational Functions	05	025384	2.462	1.456	0.527	1.001	49.240
	Properties of Exponential & Logarithmic Functions	06	025384	2.787	1.605	0.515	1.118	46.450

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - MATHEMATICS (SPRING 2011) Two or More Races

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Algebra I	COMPLETE SUBTEST	54	003153	34.349	12.176	0.936	3.080	63.609
	Functional Relationships	08	003153	4.900	2.075	0.651	1.226	61.250
	Properties and Attributes of Functions	12	003153	7.807	2.786	0.720	1.474	65.058
	Linear Functions	15	003153	9.354	3.705	0.805	1.636	62.360
	Linear Equations and Inequalities	10	003153	6.686	2.779	0.799	1.246	66.860
	Quadratic and Other Nonlinear Functions	09	003153	5.601	2.368	0.722	1.249	62.233
Geometry	COMPLETE SUBTEST	52	001676	27.839	11.445	0.923	3.176	53.536
	Geometric Structure	10	001676	5.868	2.495	0.701	1.364	58.680
	Geometric Patterns	08	001676	4.376	2.148	0.673	1.228	54.700
	Dimensionality and the Geometry of Location	10	001676	5.239	2.442	0.660	1.424	52.390
	Congruence and the Geometry of Size	16	001676	8.010	3.901	0.797	1.758	50.062
	Similarity and the Geometry of Shape	08	001676	4.347	2.138	0.656	1.254	54.337
Algebra II	COMPLETE SUBTEST	50	001069	23.679	9.776	0.895	3.168	47.358
	Properties and Attributes of Functions	08	001069	3.647	1.878	0.548	1.263	45.587
	Representational Tools to Solve Problems	08	001069	3.882	1.848	0.525	1.274	48.525
	Properties of Quadratic Functions	12	001069	5.094	2.867	0.720	1.517	42.450
	Representations of Quadratic Relations	06	001069	3.118	1.604	0.536	1.093	51.966
	Properties of Square Root Functions	05	001069	2.866	1.432	0.526	0.986	57.320
	Properties of Rational Functions	05	001069	2.330	1.398	0.466	1.022	46.600
	Properties of Exponential & Logarithmic Functions	06	001069	2.741	1.596	0.507	1.121	45.683

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	132091	31.041	10.799	0.912	3.204	57.483
	Nature of Science	11	132091	5.925	2.550	0.666	1.474	53.863
	Structure and Function	11	132091	6.456	2.633	0.702	1.437	58.690
	Genetics and Evolution	10	132091	6.338	2.413	0.690	1.344	63.380
	Processes and Energy Transfers	11	132091	6.694	2.511	0.674	1.434	60.854
	Interactions within Ecosystems	11	132091	5.628	2.521	0.659	1.472	51.163
Chemistry	COMPLETE SUBTEST	52	087656	25.510	9.678	0.891	3.195	49.057
	Nature of Science	12	087656	7.006	2.777	0.699	1.524	58.383
	Matter	09	087656	5.283	2.008	0.573	1.312	58.700
	Atoms, Bonds, and Nuclear Processes	14	087656	6.307	3.054	0.695	1.687	45.050
	Energy Transformations	08	087656	2.869	1.836	0.578	1.193	35.862
	Solutions	09	087656	4.046	2.088	0.595	1.329	44.955
Physics	COMPLETE SUBTEST	50	167144	21.438	9.491	0.892	3.119	42.876
	Nature of Science	14	167144	5.991	3.110	0.709	1.678	42.792
	Force and Motion	12	167144	4.782	2.735	0.697	1.505	39.850
	Momentum and Energy	12	167144	5.083	2.641	0.674	1.508	42.358
	Gravitational, Electrical, and Magnetic Forces	12	167144	5.582	2.468	0.607	1.547	46.516

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Female

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	065645	30.831	10.299	0.902	3.224	57.094
	Nature of Science	11	065645	5.807	2.458	0.635	1.485	52.790
	Structure and Function	11	065645	6.576	2.554	0.683	1.438	59.781
	Genetics and Evolution	10	065645	6.310	2.321	0.659	1.355	63.100
	Processes and Energy Transfers	11	065645	6.662	2.427	0.648	1.440	60.563
	Interactions within Ecosystems	11	065645	5.477	2.455	0.637	1.479	49.790
Chemistry	COMPLETE SUBTEST	52	044178	25.609	9.217	0.879	3.206	49.248
	Nature of Science	12	044178	7.021	2.652	0.667	1.530	58.508
	Matter	09	044178	5.330	1.903	0.521	1.317	59.222
	Atoms, Bonds, and Nuclear Processes	14	044178	6.377	3.003	0.683	1.691	45.550
	Energy Transformations	08	044178	2.863	1.805	0.548	1.214	35.787
	Solutions	09	044178	4.018	2.036	0.568	1.338	44.644
Physics	COMPLETE SUBTEST	50	083994	20.268	8.497	0.864	3.134	40.536
	Nature of Science	14	083994	5.551	2.789	0.638	1.678	39.650
	Force and Motion	12	083994	4.567	2.554	0.647	1.517	38.058
	Momentum and Energy	12	083994	4.864	2.477	0.630	1.507	40.533
	Gravitational, Electrical, and Magnetic Forces	12	083994	5.286	2.289	0.534	1.563	44.050

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Male

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	066433	31.247	11.268	0.920	3.187	57.864
	Nature of Science	11	066433	6.041	2.633	0.692	1.461	54.918
	Structure and Function	11	066433	6.338	2.703	0.718	1.435	57.618
	Genetics and Evolution	10	066433	6.365	2.499	0.718	1.327	63.650
	Processes and Energy Transfers	11	066433	6.726	2.592	0.698	1.424	61.145
	Interactions within Ecosystems	11	066433	5.777	2.575	0.678	1.461	52.518
Chemistry	COMPLETE SUBTEST	52	043478	25.410	10.124	0.902	3.169	48.865
	Nature of Science	12	043478	6.991	2.899	0.728	1.512	58.258
	Matter	09	043478	5.236	2.108	0.617	1.305	58.177
	Atoms, Bonds, and Nuclear Processes	14	043478	6.235	3.103	0.707	1.680	44.535
	Energy Transformations	08	043478	2.875	1.868	0.609	1.168	35.937
	Solutions	09	043478	4.073	2.140	0.622	1.316	45.255
Physics	COMPLETE SUBTEST	50	083142	22.619	10.265	0.909	3.097	45.238
	Nature of Science	14	083142	6.435	3.346	0.753	1.663	45.964
	Force and Motion	12	083142	5.000	2.891	0.734	1.491	41.666
	Momentum and Energy	12	083142	5.304	2.780	0.707	1.505	44.200
	Gravitational, Electrical, and Magnetic Forces	12	083142	5.880	2.602	0.657	1.524	49.000

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Hispanic/Latino

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	059193	28.362	10.093	0.894	3.286	52.522
	Nature of Science	11	059193	5.387	2.424	0.616	1.502	48.972
	Structure and Function	11	059193	5.952	2.541	0.661	1.479	54.109
	Genetics and Evolution	10	059193	5.813	2.374	0.657	1.390	58.130
	Processes and Energy Transfers	11	059193	6.134	2.410	0.628	1.470	55.763
	Interactions within Ecosystems	11	059193	5.076	2.359	0.600	1.492	46.145
Chemistry	COMPLETE SUBTEST	52	040484	23.071	8.629	0.861	3.217	44.367
	Nature of Science	12	040484	6.404	2.654	0.651	1.568	53.366
	Matter	09	040484	4.946	1.948	0.523	1.345	54.955
	Atoms, Bonds, and Nuclear Processes	14	040484	5.667	2.767	0.627	1.690	40.478
	Energy Transformations	08	040484	2.473	1.635	0.486	1.172	30.912
	Solutions	09	040484	3.581	1.911	0.511	1.336	39.788
Physics	COMPLETE SUBTEST	50	070091	18.967	8.034	0.849	3.122	37.934
	Nature of Science	14	070091	5.244	2.715	0.617	1.680	37.457
	Force and Motion	12	070091	4.151	2.411	0.612	1.502	34.591
	Momentum and Energy	12	070091	4.537	2.383	0.603	1.501	37.808
	Gravitational, Electrical, and Magnetic Forces	12	070091	5.035	2.202	0.499	1.559	41.958

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Am. Indian or Alaskan Native

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	000637	31.860	10.513	0.907	3.206	59.000
	Nature of Science	11	000637	6.049	2.446	0.630	1.488	54.990
	Structure and Function	11	000637	6.429	2.600	0.694	1.438	58.445
	Genetics and Evolution	10	000637	6.592	2.396	0.696	1.321	65.920
	Processes and Energy Transfers	11	000637	6.884	2.477	0.665	1.434	62.581
	Interactions within Ecosystems	11	000637	5.907	2.510	0.658	1.468	53.700
Chemistry	COMPLETE SUBTEST	52	000393	25.674	9.563	0.889	3.186	49.373
	Nature of Science	12	000393	7.140	2.758	0.699	1.513	59.500
	Matter	09	000393	5.272	1.972	0.551	1.321	58.577
	Atoms, Bonds, and Nuclear Processes	14	000393	6.181	3.117	0.710	1.679	44.150
	Energy Transformations	08	000393	2.957	1.810	0.559	1.202	36.962
	Solutions	09	000393	4.125	2.127	0.616	1.318	45.833
Physics	COMPLETE SUBTEST	50	000799	21.782	9.280	0.885	3.147	43.564
	Nature of Science	14	000799	6.121	3.092	0.702	1.688	43.721
	Force and Motion	12	000799	4.801	2.630	0.664	1.524	40.008
	Momentum and Energy	12	000799	5.139	2.643	0.671	1.516	42.825
	Gravitational, Electrical, and Magnetic Forces	12	000799	5.721	2.482	0.612	1.546	47.675

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Asian

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	004627	37.250	10.684	0.922	2.984	68.981
	Nature of Science	11	004627	7.342	2.532	0.706	1.373	66.745
	Structure and Function	11	004627	7.929	2.491	0.729	1.297	72.081
	Genetics and Evolution	10	004627	7.305	2.273	0.705	1.235	73.050
	Processes and Energy Transfers	11	004627	7.840	2.454	0.709	1.324	71.272
	Interactions within Ecosystems	11	004627	6.834	2.557	0.698	1.405	62.127
Chemistry	COMPLETE SUBTEST	52	002771	33.137	10.324	0.915	3.010	63.725
	Nature of Science	12	002771	8.505	2.642	0.726	1.383	70.875
	Matter	09	002771	6.388	1.895	0.607	1.188	70.977
	Atoms, Bonds, and Nuclear Processes	14	002771	8.757	3.308	0.771	1.583	62.550
	Energy Transformations	08	002771	4.135	2.045	0.641	1.225	51.687
	Solutions	09	002771	5.351	2.246	0.679	1.273	59.455
Physics	COMPLETE SUBTEST	50	006452	27.743	10.519	0.914	3.085	55.486
	Nature of Science	14	006452	7.859	3.354	0.763	1.633	56.135
	Force and Motion	12	006452	6.502	3.046	0.760	1.492	54.183
	Momentum and Energy	12	006452	6.642	2.822	0.720	1.493	55.350
	Gravitational, Electrical, and Magnetic Forces	12	006452	6.741	2.635	0.667	1.521	56.175

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Black or African American

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	017608	27.403	9.714	0.883	3.323	50.746
	Nature of Science	11	017608	5.280	2.361	0.585	1.521	48.000
	Structure and Function	11	017608	5.731	2.473	0.632	1.500	52.100
	Genetics and Evolution	10	017608	5.601	2.316	0.631	1.407	56.010
	Processes and Energy Transfers	11	017608	6.001	2.372	0.610	1.481	54.554
	Interactions within Ecosystems	11	017608	4.790	2.288	0.567	1.506	43.545
Chemistry	COMPLETE SUBTEST	52	010000	22.482	8.483	0.856	3.219	43.234
	Nature of Science	12	010000	6.197	2.616	0.637	1.576	51.641
	Matter	09	010000	4.814	1.938	0.515	1.350	53.488
	Atoms, Bonds, and Nuclear Processes	14	010000	5.596	2.721	0.612	1.695	39.971
	Energy Transformations	08	010000	2.369	1.645	0.501	1.162	29.612
	Solutions	09	010000	3.507	1.894	0.506	1.331	38.966
Physics	COMPLETE SUBTEST	50	018431	17.826	7.493	0.827	3.117	35.652
	Nature of Science	14	018431	4.840	2.528	0.568	1.662	34.571
	Force and Motion	12	018431	3.986	2.312	0.581	1.497	33.216
	Momentum and Energy	12	018431	4.258	2.301	0.580	1.491	35.483
	Gravitational, Electrical, and Magnetic Forces	12	018431	4.742	2.098	0.441	1.569	39.516

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Native Hawaiian/Pacific Islander

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	000210	31.195	10.411	0.904	3.226	57.768
	Nature of Science	11	000210	6.014	2.525	0.657	1.479	54.672
	Structure and Function	11	000210	6.595	2.516	0.670	1.445	59.954
	Genetics and Evolution	10	000210	6.290	2.423	0.698	1.332	62.900
	Processes and Energy Transfers	11	000210	6.729	2.517	0.673	1.439	61.172
	Interactions within Ecosystems	11	000210	5.567	2.476	0.641	1.484	50.609
Chemistry	COMPLETE SUBTEST	52	000140	27.057	10.320	0.907	3.147	52.032
	Nature of Science	12	000140	7.300	2.868	0.732	1.485	60.833
	Matter	09	000140	5.386	2.148	0.654	1.263	59.844
	Atoms, Bonds, and Nuclear Processes	14	000140	7.021	3.224	0.739	1.647	50.150
	Energy Transformations	08	000140	3.136	2.068	0.661	1.204	39.200
	Solutions	09	000140	4.214	2.201	0.653	1.297	46.822
Physics	COMPLETE SUBTEST	50	000273	21.568	8.701	0.868	3.161	43.136
	Nature of Science	14	000273	6.073	2.951	0.670	1.695	43.378
	Force and Motion	12	000273	4.806	2.554	0.638	1.537	40.050
	Momentum and Energy	12	000273	5.209	2.435	0.606	1.528	43.408
	Gravitational, Electrical, and Magnetic Forces	12	000273	5.480	2.389	0.578	1.552	45.666

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) White

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	046619	34.900	10.467	0.913	3.087	64.629
	Nature of Science	11	046619	6.647	2.516	0.677	1.430	60.427
	Structure and Function	11	046619	7.162	2.572	0.715	1.373	65.109
	Genetics and Evolution	10	046619	7.130	2.237	0.680	1.265	71.300
	Processes and Energy Transfers	11	046619	7.498	2.414	0.676	1.374	68.163
	Interactions within Ecosystems	11	046619	6.463	2.487	0.666	1.437	58.754
Chemistry	COMPLETE SUBTEST	52	031115	28.535	9.841	0.898	3.143	54.875
	Nature of Science	12	031115	7.820	2.705	0.708	1.462	65.166
	Matter	09	031115	5.713	1.984	0.591	1.269	63.477
	Atoms, Bonds, and Nuclear Processes	14	031115	7.005	3.147	0.714	1.683	50.035
	Energy Transformations	08	031115	3.367	1.914	0.595	1.218	42.087
	Solutions	09	031115	4.630	2.126	0.615	1.319	51.444
Physics	COMPLETE SUBTEST	50	063734	24.130	10.059	0.904	3.117	48.260
	Nature of Science	14	063734	6.823	3.265	0.736	1.678	48.735
	Force and Motion	12	063734	5.417	2.863	0.722	1.510	45.141
	Momentum and Energy	12	063734	5.671	2.747	0.696	1.515	47.258
	Gravitational, Electrical, and Magnetic Forces	12	063734	6.220	2.582	0.650	1.528	51.833

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SCIENCE (SPRING 2011) Two or More Races

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
Biology	COMPLETE SUBTEST	54	002036	34.131	10.799	0.917	3.111	63.205
	Nature of Science	11	002036	6.561	2.577	0.691	1.432	59.645
	Structure and Function	11	002036	7.001	2.608	0.714	1.395	63.645
	Genetics and Evolution	10	002036	6.987	2.304	0.692	1.279	69.870
	Processes and Energy Transfers	11	002036	7.325	2.493	0.690	1.388	66.590
	Interactions within Ecosystems	11	002036	6.256	2.518	0.668	1.451	56.872
Chemistry	COMPLETE SUBTEST	52	001247	28.630	10.022	0.902	3.137	55.057
	Nature of Science	12	001247	7.805	2.770	0.724	1.455	65.041
	Matter	09	001247	5.704	1.989	0.590	1.274	63.377
	Atoms, Bonds, and Nuclear Processes	14	001247	7.118	3.195	0.724	1.679	50.842
	Energy Transformations	08	001247	3.343	1.948	0.610	1.217	41.787
	Solutions	09	001247	4.660	2.132	0.621	1.313	51.777
Physics	COMPLETE SUBTEST	50	003308	24.736	10.178	0.906	3.121	49.472
	Nature of Science	14	003308	6.979	3.290	0.742	1.671	49.850
	Force and Motion	12	003308	5.667	2.898	0.727	1.514	47.225
	Momentum and Energy	12	003308	5.842	2.765	0.700	1.514	48.683
	Gravitational, Electrical, and Magnetic Forces	12	003308	6.248	2.575	0.644	1.536	52.066

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Total Group

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	092773	36.382	13.337	0.923	3.701	53.502
	History	26	092773	13.584	5.370	0.818	2.291	52.246
	Geography and Culture	14	092773	8.287	3.204	0.743	1.624	59.192
	Government and Citizenship	10	092773	4.844	2.439	0.654	1.435	48.440
	Economics and Technology	18	092773	9.666	3.858	0.758	1.898	53.700
World Geography	COMPLETE SUBTEST	68	117855	41.458	13.476	0.929	3.591	60.967
	History, Government, and Citizenship	14	117855	8.156	3.211	0.737	1.647	58.257
	Geography	26	117855	15.876	5.475	0.837	2.210	61.061
	Culture	14	117855	9.003	3.054	0.729	1.590	64.307
	Economics, Science, Technology, and Society	14	117855	8.422	3.126	0.721	1.651	60.157

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Female

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	045681	35.456	12.664	0.914	3.714	52.141
	History	26	045681	13.046	5.115	0.795	2.316	50.176
	Geography and Culture	14	045681	8.183	3.128	0.725	1.640	58.450
	Government and Citizenship	10	045681	4.749	2.380	0.633	1.442	47.490
	Economics and Technology	18	045681	9.478	3.655	0.725	1.917	52.655
World Geography	COMPLETE SUBTEST	68	058465	40.438	12.948	0.921	3.639	59.467
	History, Government, and Citizenship	14	058465	7.907	3.069	0.709	1.656	56.478
	Geography	26	058465	15.441	5.352	0.825	2.239	59.388
	Culture	14	058465	8.854	2.995	0.711	1.610	63.242
	Economics, Science, Technology, and Society	14	058465	8.236	3.019	0.690	1.681	58.828

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Male

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	047089	37.280	13.899	0.931	3.651	54.823
	History	26	047089	14.107	5.555	0.834	2.263	54.257
	Geography and Culture	14	047089	8.388	3.272	0.759	1.606	59.914
	Government and Citizenship	10	047089	4.937	2.491	0.673	1.424	49.370
	Economics and Technology	18	047089	9.848	4.037	0.783	1.881	54.711
World Geography	COMPLETE SUBTEST	68	059381	42.460	13.902	0.935	3.544	62.441
	History, Government, and Citizenship	14	059381	8.402	3.326	0.760	1.629	60.014
	Geography	26	059381	16.304	5.561	0.847	2.175	62.707
	Culture	14	059381	9.150	3.104	0.745	1.567	65.357
	Economics, Science, Technology, and Society	14	059381	8.604	3.217	0.746	1.621	61.457

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Hispanic/Latino

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	041382	33.640	12.307	0.907	3.753	49.470
	History	26	041382	12.561	4.990	0.783	2.325	48.311
	Geography and Culture	14	041382	7.670	3.081	0.709	1.662	54.785
	Government and Citizenship	10	041382	4.395	2.304	0.605	1.448	43.950
	Economics and Technology	18	041382	9.014	3.618	0.716	1.928	50.077
World Geography	COMPLETE SUBTEST	68	052915	37.979	12.621	0.914	3.701	55.851
	History, Government, and Citizenship	14	052915	7.386	3.037	0.690	1.691	52.757
	Geography	26	052915	14.610	5.261	0.813	2.275	56.192
	Culture	14	052915	8.333	2.958	0.689	1.650	59.521
	Economics, Science, Technology, and Society	14	052915	7.649	2.943	0.664	1.706	54.635

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Am. Indian or Alaskan Native

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	000411	36.805	13.480	0.925	3.692	54.125
	History	26	000411	13.803	5.470	0.827	2.275	53.088
	Geography and Culture	14	000411	8.448	3.252	0.754	1.613	60.342
	Government and Citizenship	10	000411	4.905	2.477	0.668	1.427	49.050
	Economics and Technology	18	000411	9.650	3.916	0.765	1.898	53.611
World Geography	COMPLETE SUBTEST	68	000571	42.277	13.001	0.924	3.584	62.172
	History, Government, and Citizenship	14	000571	8.394	3.088	0.716	1.646	59.957
	Geography	26	000571	16.046	5.222	0.821	2.209	61.715
	Culture	14	000571	9.200	2.944	0.712	1.580	65.714
	Economics, Science, Technology, and Society	14	000571	8.637	3.146	0.730	1.635	61.692

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Asian

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	002863	42.466	14.230	0.939	3.515	62.450
	History	26	002863	16.081	5.799	0.861	2.162	61.850
	Geography and Culture	14	002863	9.426	3.278	0.783	1.527	67.328
	Government and Citizenship	10	002863	5.683	2.498	0.688	1.395	56.830
	Economics and Technology	18	002863	11.277	3.982	0.791	1.820	62.650
World Geography	COMPLETE SUBTEST	68	004140	49.483	12.235	0.929	3.260	72.769
	History, Government, and Citizenship	14	004140	9.762	2.894	0.721	1.529	69.728
	Geography	26	004140	18.841	5.033	0.838	2.026	72.465
	Culture	14	004140	10.825	2.569	0.705	1.395	77.321
	Economics, Science, Technology, and Society	14	004140	10.054	3.000	0.749	1.503	71.814

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Black or African American

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	011688	32.863	12.284	0.907	3.746	48.327
	History	26	011688	12.329	4.968	0.781	2.325	47.419
	Geography and Culture	14	011688	7.504	3.079	0.711	1.655	53.600
	Government and Citizenship	10	011688	4.397	2.307	0.607	1.446	43.970
	Economics and Technology	18	011688	8.633	3.605	0.710	1.941	47.961
World Geography	COMPLETE SUBTEST	68	014358	35.908	12.396	0.909	3.739	52.805
	History, Government, and Citizenship	14	014358	7.052	3.004	0.680	1.699	50.371
	Geography	26	014358	13.624	5.161	0.799	2.314	52.400
	Culture	14	014358	7.935	2.936	0.677	1.669	56.678
	Economics, Science, Technology, and Society	14	014358	7.297	2.905	0.651	1.716	52.121

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Native Hawaiian/Pacific Islander

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	000142	37.197	12.899	0.918	3.694	54.701
	History	26	000142	14.049	5.299	0.815	2.279	54.034
	Geography and Culture	14	000142	8.282	3.243	0.753	1.612	59.157
	Government and Citizenship	10	000142	4.993	2.089	0.493	1.487	49.930
	Economics and Technology	18	000142	9.873	3.826	0.753	1.901	54.850
World Geography	COMPLETE SUBTEST	68	000164	42.628	12.673	0.921	3.562	62.688
	History, Government, and Citizenship	14	000164	8.317	3.170	0.734	1.635	59.407
	Geography	26	000164	16.445	5.018	0.806	2.210	63.250
	Culture	14	000164	9.268	2.857	0.695	1.578	66.200
	Economics, Science, Technology, and Society	14	000164	8.598	2.990	0.703	1.629	61.414

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) White

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	031653	39.967	13.607	0.930	3.600	58.775
	History	26	031653	14.854	5.499	0.833	2.247	57.130
	Geography and Culture	14	031653	9.123	3.143	0.750	1.571	65.164
	Government and Citizenship	10	031653	5.406	2.484	0.677	1.412	54.060
	Economics and Technology	18	031653	10.584	3.946	0.779	1.855	58.800
World Geography	COMPLETE SUBTEST	68	040156	46.585	12.774	0.929	3.404	68.507
	History, Government, and Citizenship	14	040156	9.270	3.105	0.742	1.577	66.214
	Geography	26	040156	17.811	5.097	0.830	2.102	68.503
	Culture	14	040156	9.951	2.900	0.730	1.507	71.078
	Economics, Science, Technology, and Society	14	040156	9.553	2.986	0.724	1.569	68.235

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

EOC - SOCIAL STUDIES (SPRING 2011) Two or More Races

Subject	Test Objective	K ¹	N	Mean	SD	Alpha ²	SEM	Mean ³ P-Value
U.S. History	COMPLETE SUBTEST	68	001675	41.836	13.992	0.936	3.540	61.523
	History	26	001675	15.787	5.615	0.846	2.203	60.719
	Geography and Culture	14	001675	9.451	3.184	0.769	1.530	67.507
	Government and Citizenship	10	001675	5.650	2.523	0.694	1.396	56.500
	Economics and Technology	18	001675	10.949	4.041	0.794	1.834	60.827
World Geography	COMPLETE SUBTEST	68	001857	45.717	12.965	0.930	3.430	67.230
	History, Government, and Citizenship	14	001857	8.994	3.099	0.733	1.601	64.242
	Geography	26	001857	17.423	5.158	0.830	2.127	67.011
	Culture	14	001857	9.899	2.931	0.736	1.506	70.707
	Economics, Science, Technology, and Society	14	001857	9.401	3.083	0.741	1.569	67.150

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only